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CLAIMS

I claim:

1. A steering system for a boat having an outboard motor with a jet drive output rising:

a) a directional nozzle, pivotably mounted to said outboard motor such that said directional nozzle surrounds said jet drive output and extends backward therefrom;

and

b) a means for pivoting said directional nozzle in a horizontal plane.

2. The steering system of claim 1 wherein the means for pivoting said directional
e comprise:

- a) a tiller handle attached to said outboard motor; and
- b) a means for connecting said tiller handle to said directional nozzle.

3. The steering system of claim 1 wherein the means for connecting said tiller handle to said directional nozzle comprise a cable.

4. The steering system of claim 1 wherein the means for pivoting said directional
e comprise:

- a) a pair of handlebars;
- b) a shaft, extending downward from said pair of handlebars;
- b) a means for supporting the pair of handlebars above a deck;
- d) a means for converting rotational motion of the pair of handlebars into reciprocating motion operably attached to said shaft; and

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1 d) a cable having two ends, one of the two ends of the cable being attached to
2 said means for converting rotational motion and the other of two ends of the cable
3 being attached to the directional nozzle.

4 5. The steering system of claim 4 wherein the means for converting
5 rotational motion of the pair of handlebars into reciprocating motion comprises:

6 a) a bracket having a first end and a second end, the first end of said bracket
7 being attached to said shaft and extending horizontally therefrom; and
8 b) a means for attached a cable, attached to the second end of said bracket.

9 6. The steering system of claim 1 further comprising a means for reversing the
10 thrust of said jet drive output, operably attached to said directional nozzle.

11 7. The steering system of claim 6 wherein the means for reversing the thrust of
12 said jet drive output comprises:

13 a) a curved hood, pivotably attached to said directional nozzle; and
14 b) a means for raising and lowering said curved hood, attached to said curved
15 hood.

16 8. The steering system of claim 7 wherein the means for raising and lowering
17 said curved hood comprises:

18 a) a cable, having two ends, the first end of the cable being attached to the curved
19 hood; and the second end of said cable being attached to a revering lever, installed in
20 said boat.

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- 1 9. A steering system for a boat having an outboard motor with a jet drive output
- 2 attached to a lower unit comprising:
 - 3 a) an adaptor ring, attached to said lower unit surrounding said jet drive output;
 - 4 b) a directional nozzle;
 - 5 c) a means for pivotably mounting said directional nozzle on said adaptor ring
 - 6 such that said directional nozzle extends backward therefrom; and
 - 7 d) a means for pivoting said directional nozzle in a horizontal plane.
- 8 10. The steering system of claim 9 further comprising a means for reversing the
- 9 thrust of said jet drive output, operably attached to said directional nozzle.
- 10 11. The steering system of claim 10 wherein the means for reversing the thrust of
- 11 said jet drive output comprises:
 - 12 a) a curved hood, pivotably attached to said directional nozzle; and
 - 13 b) a means for raising and lowering said curved hood, attached to said curved
 - 14 hood.
- 15 12. The steering system of claim 11 wherein the means for raising and lowering
- 16 said curved hood comprises:
 - 17 a) a cable, having two ends, the first end of the cable being attached to the curved
 - 18 hood; and the second end of said cable being attached to a revering lever, installed in
 - 19 said boat.
- 20 13. The steering system of claim 9 wherein the means for pivoting said
- 21 directional nozzle comprise:

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1 a) a tiller handle attached to said outboard motor; and

2 b) a means for connecting said tiller handle to said directional nozzle.

3 14. The steering system of claim 9 wherein the means for connecting said tiller

4 handle to said directional nozzle comprise a cable.

5 15. The steering system of claim 9 wherein the means for pivoting said

6 directional nozzle comprise:

7 a) a pair of handlebars;

8 b) a means for supporting the pair of handlebars above a deck;

9 c) a means for converting rotational motion of the pair of handlebars into

10 reciprocating motion; and

11 d) a cable having two ends, one of the two ends of the cable being attached to

12 said means for converting rotational motion and the other of two ends of the cable

13 being attached to the directional nozzle.

14 16. The steering system of claim 15 wherein the means for converting

15 rotational motion of the pair of handlebars into reciprocating motion comprises:

16 a) a bracket having a first end and a second end, the first end of said bracket

17 being attached to said shaft and extending horizontally therefrom; and

18 b) a means for attaching a cable, attached to the second end of said bracket.

19 17. The steering system of claim 9 wherein the means for pivotably mounting

20 said directional nozzle on said adaptor ring comprise:

21 a) a pair of brackets, attached to said directional nozzle; and

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1 b) a means for pivotable securing said pair of brackets to said adopter ring.

2 18. The steering system of claim 13 wherein the tiller handle comprises:

3 a) a mounting arm, which is secured to the outboard motor and extends forward
4 therefrom, said mounting arm having an upper bracket and a lower bracket;

5 b) a steering control portion, having a handgrip and a steering arm, extending
6 rearward therefrom, said steering arm having an upper bracket and a lower bracket;

7 c) a fastener means for pivotably connecting the upper bracket on said mounting
8 arm to the upper bracket of said steering arm;

9 d) a fastener means for pivotably connecting the lower bracket on said mounting
10 arm to the lower bracket of said steering arm; and

11 e) a cable connector, attached to said steering arm.

12 19. The steering system of claim 9 wherein the tiller handle further comprises a
13 means for controlling the speed of the outboard motor;

14 20. The steering system of claim 19 wherein the means for controlling the speed
15 of the outboard motor includes:

16 a) a twisting hand grip;

17 b) a shaft attached to said twisting handgrip and extending backwards

18 therefrom;

19 c) a universal joint attached to said shaft;

20 d) a second shaft attached to said universal joint and extending backwards

21 therefrom; and

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- 1 e) a means for connecting said second shaft to a throttle, in operable
- 2 communication with said outboard motor.
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